

IVANOV, B.I.; SHARONOVA, N.F.; SHAMANOVA, V.V.

Improving the quality of commercial phenols from tar waters produced
in the thermal processing of oil shales. Trudy VNIIT no.9:190-194 '60.
(MIRA 13:11)

(Phenols) (Oil shales)

SHARONOVA, N.F.; VERIGO, S.I.; MAMONTOVA, O.V.

Afterpurification of fuel oil water by aeration in the presence of
pyrolusite. Trud. UNITT no.10:211-216 '61. (MIRA 15:3)
(Petroleum as fuel)(Sewage--Purification)

SHARONOVA, N.F.; SHAMANOVA, V.V.

Separation of a production mixture of dimethylresorcinols. Trudy
VNIT no.10:196-202 '61. (MIRA 15:3)
(Resorcinol)(Chromatographic analysis)

SHARONOVA, N.F.; SHUL'MAN, Z.F.

Decontaminating the waste (water formed in the process of obtaining
butyl and higher alcohols. Trudy VNIIT no.13:79-85 '64.
(MIRA 18:2)

SHARONOVA, N.F.; SHUL'MAN, Z.F.

Improving the colorimetric method for finding phenols in
the waste waters of petroleum refining plants. Trudy
VNIIT no.12:230-236 '63. (MIRA 18:11)

SHARONOVA, N.F.; LIFSHTS, A.A.; VLASOVA, A.M.

Composition of and methods for purifying waste waters formed
in the production of pharmaceutical compounds. Trudy VNIIT
no.12:253-265 '63. (MIRA 18:11)

IVANOV, B.F., SHARONOVA, N.F., KUZ'MINA, N.A., KARAZEYEVA, O.N.

Purifying the industrial waste waters of vinyl acetate and
the polymers based on it. Trudy VNIIT no.12:270-289 '63.
(MIRA 18:11)

SHARONOVA, N.S.

3715. CHEMICAL COMPOSITION OF TAR WATER FROM SHALES IN THE BALTIC
DEPOSIT. Ivanov, B.I. and Sharonova, N.S. (Trud. Vsesoyuz. nauch.-issled.
 Inst. Pererab. Slan. (Proc. Inst. Treat. Shale, U.S.S.R.), 1954, (2), 161-
 188; abstr. in Ref. Zh. Khim. (Ref. J. Chem., Moscow), 1956, (8), 23268). *Encl*
 An examination was made of the composition of organic impurities in the tar
 water resulting from the low-temperature carbonisation of Baltic oil shales
 in tunnel kilns. The following were separated by fractional distillation:
 formic, acetic propionic and butyric aldehydes, methyl ethyl ketone. The
 following volatile organic acids were found in the tar water: formic, acetic,
 propionic and n-butyric acids and acetonitrile. Examination of a mixture of
 monohydric and multihydric phenols showed that monohydric phenols consist
 largely of cresols, while the multihydric are mainly derivatives of resorcin.
 The bases in the tar water contain mainly ammonia and pyridine, and also
 several substituted pyridines: alpha-nicotine, lutidine and collidine.

5(4), 18(3)

AUTHORS:

Sharonova, T. N., Fedulova, N. I.,
Krasil'shchikov, A. I.

SOV/76-33-1-35/45

TITLE:

Investigation of the Conditions of the Origin and Development
of the Pitting Corrosion of Iron (Issledovaniye usloviy
vozniknoveniya i razvitiya pittingovoy korrozii zheleza)

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 1, pp 208-212
(USSR)

ABSTRACT:

In contrast to the usual corrosion, the pitting corrosion
proceeds in the form of patches (Refs 1-9); the corrosion
spots are, however, not formed by impurities (Ref 8). In order
to investigate this case the mechanism of the corrosion cells,
produced by oxygen, has to be investigated as well as the
growth mechanism of these corrosion spots. These problems were
investigated by tests with various aqueous solutions. Iron
samples were tested with 0.29% C, 0.01% Si, 0.42% Mn, 0.019% P,
and 0.039% S and photographs taken. The tests were conducted
at 60° with various salt solution combinations (NaCl, $K_2Cr_2O_7$,
KCl, $NaNO_2$, $Ca(NO_3)_2$) and HCl and KOH solutions at varying
periods of treatment (Figs 1-10). In the presence of

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Investigation of the Conditions of the
Origin and Development of the Pitting Corrosion of Iron

SOV/76-33-1-35/45

oxidizing agents the corrosion is determined by the diffusion velocity of these depolarizers towards the metallic surface. In these cases the current intensity does not depend on the electrode potential, the latter, however, can attain various values. The formation of various potential differences is obviously favored in such cases and the differences bring about the pitting corrosion. The occurrence of local potential differences on mercury electrodes was also observed by A. A. Frumkin and B. P. Bruns. The presence of a passivator, the amount of which is not sufficient for passivating the surface (e.g. NaNO_2), in the solution may also favor a pitting corrosion. It is assumed that the autocatalytic character of the development of the pitting corrosion spots can be explained by the formation of insoluble corrosion products and the occurrence of differential aeration (Ref 4). There are 10 tables and 16 references, 12 of which are Soviet.

ASSOCIATION: Institut azotnoy promyshlennosti, Moskva
(Institute of Nitrogen Industry, Moscow)

SUBMITTED: July 16, 1957
Card 2/2

KAKHOVSKIY, N.I.; YUSHCHENKO, K.A.; YUSHKEVICH, Z.V.; BABAKOV, A.A.;
KAREVA, Ye.N.; SHARONOVA, T.N.

Electric arc welding of corrosion-resistant ferrite-austenite
steels of the type 21-3 and 21-5. Avtom. svar. 16 no.12:49-57
(MIRA 17:1)
D '63.

1. Institut elektrosvarki imeni Patona AN UkrSSR (for
Kakhovskiy, Yushchenko, Yushkevich). 2. Tsentral'nyy nauchno-
issledovatel'skiy institut chernoy metallurgii (for Babakov,
Kareva). 3. Gosudarstvennyy nauchno-issledovatel'skiy i
proyektnyy institut azotnoy promyshlennosti i produktov
organicheskogo sinteza (for Sharonova).

L 9093-65 EWT(m)/EWP(q)/EWP(b) ASD(f)/AFMD(c)/ASD(m)-3 MJW/JD
 S/0064/64/000/007/0541/0547
 ACCESSION NR: AP4042254

AUTHOR: Yegorov, V. P.; Kruglov, B. I.; Sharonova, T. N.; Babakov, P. A. A.; Kakhovskiy, N. I.; Brusentsova, V. N.; Vasil'yeva, N. H.; Kareva, Ye. N.; Yushchenko, K. A.

TITLE: Industrial use of steels with lowered nickel content

SOURCE: Khimicheskaya promyshlennost', no. 7, 1964, 541-547

TOPIC TAGS: stainless steel, low nickel stainless steel, EP53 stainless steel, EP54 stainless steel, steel composition, steel microstructure, steel mechanical property, steel corrosion resistance, steel weldability, weld metal property, stainless steel corrosion

ABSTRACT: To determine the suitability of low-nickel stainless steels for use in the chemical industry, the corrosion resistance of OKh21N5T (EP-53) and OKh21N6M2T (EP-54) stainless steels has been investigated under laboratory, semi-industrial, and industrial conditions. These specimens, with joints made by means of manual or submerged arc welding, were tested in nitric acid with concentrations of 2-80% at temperatures of 40, 60, and 80C. Metallographic examination of the

Card 1/2

REF SOV: 000

ENCL: 00

OTHER: 000

SALEY, S.M.; SHARONOVA, T.N.; KRASIL'SHCHIKOV, A.I.

Anodic behavior of the hydrogen electrode in alkali under
pressure. Part 1. Zhur. fiz. khim. 39 no.345-351 F '65.
(MIRA 18:4)

SHARONOVA, V.A.

Report of an outbreak of epidemic parotitis in a kindergarten.
Trudy LSGMI 32:171-180 '57. (MIRA 12:8)

1. Kafedra epidemiologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav.kafedroy - prof. V.A.Bashenin).
(MUMPS, epidemiol.
in Russia, outbreak in kindergarten (Rus))

DYGALO, L.; MALYSHEVA, A.M.; RYKUSHIN, Yu.P.; SHARONOVA, V.A.

Epidemiological characteristics of an influenza outbreak in student dormitories in 1949 and 1956. Trudy LSGMI 32:222-232 '57. (MIRA 12:8)

1. Kafedra epidemiologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav.kafedroy - prof.V.A.Bashenin).
(INFLUENZE, epidemiol.
A & B,
in Russia, in student dormitories (Rus))

SHARONOVA, V.A.

"Epidemic parotitis (mumps) and methods of preventing it" by
I.F. Pichkur. Reviewed by V.A. Sharonova. Zhur.mikrobiol.epid.
i immun. 31 no.2:149-150 F '60. (MIRA 13:6)
(MUMPS) (PICHKUR, I.F.)

SHARONOVA, V.A.

Epidemiological characteristics of epidemic parotitis in Leningrad from 1944 to 1956. Trudy LSbMI 46:314-328 '59. (MIRA 13:11)

1. Kafedra epidemiologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - prof. V.A. Bashenin).
(LENINGRAD—MUMPS)

SHARONOV, V.V., Cand Geol-Min Sci--(disc) "Engineering-Geological
Characteristic of ~~the~~ ^{Age} rocks of the Quaternary ~~period~~ ^{Albanian} of the ^{Soil} lowlands."
Mos, 1956. 19 pp (Mos Order of Lenin and Order of Labor Red Banner State
U in L.V.Lomonosov. Geol Faculty. Chair of ^{Soil} Ground Science and Engineer-
ing Geology), 120 copies (AL,45-58, 144)

70 -

SHARONOVA, V.V.

Basic types of Quaternary deposits in the Albanian lowland and their engineering geological characteristics. Vest. Mosk. un. Ser. biol. pochv., geol., geog. 13 no. 1:141-150 '58. (MIRA 11:7)

1. Moskovskiy gosudarstvennyy universitet, Kafedra inzhenerney geologii i gruntovedeniya.

(Albania--Geology, Stratigraphic)

SHARONOVA, Z. V., Cand Med Sci — (diss) "Data for the study
of the clinic and treatment of chronic ursol intoxication,"
Moscow, 1960, 18 pp, 400 cop. (Institute of Work Hygiene and
Occupational Diseases, AMS USSR) (KL, 42-60, 117)

SHARONOVA, Z.V., nauchnyy sotrudnik

Treatment of bronchial asthma and asthmoid bronchitis with
inhalations of isadrine aerosol. Kaz. med. zhur. no.1:34-36
Ja-F '62. (MIRA 15:3)

1. Klinika (zav. - prof. S.I. Ashbel') Gor'kovskogo instituta
gigiyeny truda i professional'nykh bolezney.
(ASTHMA) (BRONCHITIS)
(SYMPATHOMIMETICS)
(AEROSOL THERAPY)

CHERVYAKOV, A.N.; MIRKIN, I.L., doktor tekhnicheskikh nauk, professor,
redaktor; SHAROPIN, V.D., redaktor; ATTOPOVICH, M.K., tekhnicheskii
redaktor.

[Metallographic identification of impurities in steel] Metallogra-
ficheskoe opredelenie vklucheni v stali. Pod red. I.L.Mirkin.
Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi me-
tallurgii, 1953. 116 p. (MIRA 7:8)
(Steel--Metallography)

ZEKTSER, A.I.; ZAGORUL'KO, A.I., redaktor; SHAROPIN, V.D., redaktor;
EVENSON, I.M., tekhnicheskii redaktor

[Progressive work methods of blast furnace attendants at the
Kuznetsk Metallurgical Combine] Peredovye metody raboty gornovykh
domennogo tsekha Kuznetskogo metallurgicheskogo kombinata. Moskva,
Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii,
1954. 47 p. (MLRA 8:1)
(Kuznetsk--Blast furnaces)

TRAKHTER, B.S.; GARCHENKO, V.T.; GILLER, I.Ye.; SHAROPIN, V.D., redaktor;
MIKHAYLOV, O.A., redaktor; PETROVA, N.S., ~~tekhnicheskii~~ redaktor.

[Operation cycle regulation in an open-hearth process plant] Regla-
mentirovannyi rezhim raboty martenovskogo tsekha. Moskva, Gos.
nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1954.
83 p. (MLRA 8:1)

(Steel industry) (Industrial management)

KOTKIN, A.M.; OBUKHOVSKIY, Ya.M.; LAZAREV, N.N., redaktor; SHAROPIN, V.D.,
redaktor; PETROVA, N.S., tekhnicheskii redaktor

[Coals for coking and control of their quality] Ugli dlia koksovaniia
i kontrol' ikh kachestva. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry
po chernoi i tsvetnoi metallurgii, 1954. 228 p. (MLRA 7:9)
(Coal) (Coke)

PATKOVSKIY, Andrey Borisovich; TRAKHTER, V.S., redaktor; SHAROPIN, V.D.,
redaktor; ATTOPOVICH, M.K., tekhnicheskiy redaktor.

[Ferrous metallurgy sintering plants] Aglomeratsionnye fabriki
chernoï metallurgii. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po
chernoï i tsvetnoï metallurgii, 1954. 238 p. (MLBA 8:1)
(Metallurgical plants)

TEPLOUKHOV, Valeriy Ivanovich; GENEROZOV, B.A., redaktor; SHAROPIN, V.D.,
redaktor; MIKHAYLOVA, V.V., tekhnicheskiy redaktor.

[Proximate analysis of steel; manual for laboratory technicians]
Ekspress-analiz stali; rukovodstvo dlia laborantov. Moskva, Gos.
nauchno-tekhn. izd-vo lit-ry po cherno i tsvetnoi metallurgii, 1954.
243 p. [Microfilm] (MLRA 8:2)
(Steel--Analysis)

MEDZHIBOZHSKIY, Miron Yakovlevich, kandidat tekhnicheskikh nauk; SOKOLOV, I.A. inzhener; YEFANOV, N.I., redaktor; SHAROPIN, V.D., redaktor; SHEPAK, Ye.G., tekhnicheskii redaktor.

[Fast method of computing open-hearth furnace charges] Uskorennyi
method rascheta martenevskoi shikhty. Moskva, Gos.nauchno-tekhn.izd-
vo lit-ry po chernoi i tsvetnoi metallurgii, 1955. 59 p. (MLRA 9:6)
(Open-hearth process)

SHAROPIN, V.D.

FILIPPOV, Sergey Ivanovich; ARSENT'YEV, Petr Pavlovich; KAZACHKOV, Ye.A.,
redaktor; SHAROPIN, V.D., redaktor; ATTOPOVICH, M.K., tekhnicheskii
redaktor.

[Experimental work on a theory of metallurgical processes] Eksperimental'nye raboty po teorii metallurgicheskikh protsessov. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1955. 119 p. (MIRA 8:5)
(Metallurgy)

SHAROPIN, V.D.

YAVOYSKIY, Vladimir Ivanovich, doktor tekhnicheskikh nauk; KAZACHKOV, Ye.A., redaktor; SHAROPIN, V.D., redaktor; EVENSON, I.M., tekhnicheskii redaktor:

[Gases and occlusions in steel ingots] Gazy i vklucheniia v stal'nom slitke. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1955. 247 p. (MLRA 8:12)
(Steel--Analysis)

SHAROPIN, V.D.

MOROZOV, Aleksandr Nikolayevich; STROGANOV, Anatoliy Il'ich;
KRAMAROV A.D., redaktor; SHAROPIN V.D., redaktor; EVENSON,
I.M., tekhnicheskii redaktor

[Deoxidation process of Martin steel] Raskislenie martenovskoi
stali. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i
tsvetnoi metallurgii, 1955. 256 p. (MLRA 8:10)
(Open-hearth process)

OYKS, G.N., doktor tekhnicheskikh nauk; MILLER, A.I., redaktor; SHAROPIN, V.D., redaktor; MIKHAYLOVA, V.V., tekhnicheskii redaktor.

[The production of boiling steel] Proizvodstvo kipiyashchei stali.
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi
metallurgii, 1955. 438 p. (MLRA 8:12)
(Steel)

ROSTOVTSEV, Sergey Tikhonovich; Yesin, O.A., professor, doktor tekhnicheskikh nauk, retsenzent; KONDAKOV, V.V., professor, doktor tekhnicheskikh nauk, retsenzent; KAZACHKOV, Ye.A., redaktor; SHAROPIN, V.D., redaktor; VAYNSHTEYN, Ye.B., tekhnicheskii redaktor.

[A theory of metallurgical processes] Teoriia metallurgicheskikh protsessov. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1956. 515 p. (MIRA 9:5)
(Metallurgy)

KISSIN, David Abramovich; BOVKUN, Kim Alekseyevich; SHAROPIN, V.D.,
red.; ISLENT'YEVA, P.G., tekhn. red.

[Ways of increasing the output of sintering furnaces; practices
of the "Zaporozhstal'" Plant] Puti uvelichenia proizvoditel'-
nosti aglomeratsionnykh mashin; opyt zavoda "Zaporozhstal',"
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi
metallurgii, 1961. 83 p. (MIRA 15:1)
(Zaporozh'ye--Sintering)

SHCHEDRIN, Vladimir Mikhaylovich; SHAROPIN, V.D., red.; PITSYNA, V.I.,
red.izd-v2; KARASEV, A.I., tekhn. red.

[Theory of blast-furnace operation under pressure] Teoriia domen-
noi plavki pod davleniem. Moskva, Metallurgizdat, 1962. 454 p.
(MIRA 15:12)

(Blast furnaces)

OSTROUKOV, Mark Yakovlevich. Prinimala uchastiye ZHILO, N.L.,
kand. tekhn. nauk; MANCHINSKIY, V.G., kand. tekhn. nauk,
dots., retsenzent; SHAROPIN, V.D., red.

[Slag formation process in the blast furnace] Protsess
shlakoobrazovaniia v domennoi pechi. Moskva, Metallurg-
izdat, 1963. 222 p. (MIRA 18:8)

Sharoshi, Dyula

AID P - 1086

Subject : USSR/Aeronautics

Card 1/1 Pub. 58 - 16/19

Author : Sharoshi, Dyula, editor-in-chief of the periodical
"Repyulesh" (Aviation)

Title : Achievements of the aviation modelers of Hungary

Periodical : Kryl. rod., 12, 22, D 1954

Abstract : The author gives some information on the organization of
Hungarian aviation modelers and reviews their achievements from 1950-1954. Some technical data are mentioned.
Photo.

Institution : None

Submitted : No date

SHAROSHI, D'yula

There are plenty of those in Hungary. Kryl.rod. 11 no.1:
20-21 Ja '60. (MIRA 13:5)

1. Glavnyy redaktor zhurnala "Repyulesh," Budapesht.
(Hungary--Aeronautics)

SHAROSHKIN, V. L.

Determining the age of the West African sardine *Sardinella aurita* Valenciennes. Vop. ikht. 2 no.3:487-491 '62.

(MIRA 15:10)

1. Kafedra zoologii Krymskogo pedagogicheskogo instituta, Simferopol'.

(Atlantic Ocean—Sardines)

SHAROSHKINA, N.B.

Mineralogical characteristics of the silt fraction of Solonetz
soils. Izv.AN Kazakh.SSR.Ser.bot.i pochv. no.2:46-54 '60.
(MIRA 13:8)
(Ruzayevka District (Kokchetav Province)--Solonetz soils)

SHAROSHKINA, N.B.; KOTIN, N.I.

Mineralogical characteristics of some Solonetz soils in the
eastern part of Ural'sk Province. Izv. AN Kazakh. SSP. Ser.
biol. nauk 3 no.2:9-14 Mr-Apr '65. (MIRA 18:5)

SHAROKHOVA K. S.

✓ 3714. Acetylation of p-aminobenzoic acid and oxaloacetic acids in tissues of healthy organisms and those with malignant tumours. A. V. Trufanov and K. S. Sharokhova *Biokhimiya*, 1983, 18, 789-792; *Referat. Zh. Biol. Khim.*, 1983, Abstr. No. 13843. — For the period 18–30 days after induction of M¹ sarcoma, rats were injected with p-aminobenzoic acid (PAB) at 5 mg/kg. 24 hr. urine samples were estimated for free PAB and its acetyl deriv. After 5 days the same animals were given 5 mg/kg. of PAB + 0.8 mg. Ca pantothenate. Normal animals served as controls. Acetylated PAB was the same in the healthy and tumour bearing animals but on addition of Ca pantothenate a considerable increase of the acetylated compound took place in the latter group only. Liver homogenates of rats with sarcoma 45 failed completely to acetylate PAB under conditions in which homogenates of livers of normal animals gave intensive acetylation. Intensity of acetylation of oxaloacetic acid was also lowered in homogenates of livers of rats with sarcoma 45. (Russian)
A. H. Gordon

Inst. Exptl. Pathology & Therapy of Cancers, AMS USSR

SHAROUKHOVA, K.S.

U.S.S.R.

✓ The effect of tumor extracts on the catalase and the coenzyme of the liver of normal mice. A. M. Kuzin, K. S. Sharoukhova, and I. A. Chudinova (Inst. Exptl. Pathol. and Therapy, Acad. Med. Sci. U.S.S.R., Moscow). *Biokhimiya* 20, 126-8 (1955).—Tumor tissue releases into the blood stream substances which lower the activity of catalase and of the coenzyme in the liver of animals. When injected intraperitoneally into healthy animals, these substances exert a similar depressing effect on the catalase and coenzyme activities. The substances are adsorbed by ion exchange resins. It is assumed that they are basic.

B. S. Levine

SHAROUKHOVA, K.S.

Current status and prospects in the study of hormonal changes
in patients with breast cancer. Vest.AMN SSSR 16 no.1:27-30
'61. (MIRA 14:3)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR.
(BREAST—CANCER) (HORMONES)

SHAROV, A.

Extra equipment for the "Moskvich" automobile. Avt.transp.33
mo.8:34-35 Ag'55. (MLRA 8:12)
(Automobiles--Apparatus and supplies)

SHAROV, A.

Lectures for workers in machine-tractor stations and state farms.
Sov.profsoiuzy 2 no.5:60-61 My '54. (MLRA 7:6)

1. Zaveduyushchiy profkabinetom Ryazanskogo oblsovprofa.
(Machine-tractor stations) (Lectures and lecturing)

SHAROV, A.

Popular cultural work among livestock breeders. Sov.profsoiuzy 3
no.3:52-54 Mr '55. (MIRA 8:4)
(Ryazan Province--Stock and stockbreeding)
(Ryazan Province--Trade unions)

SHAROV, A.

Lofty duty of Soviet architects. Zhil.-kom. khoz. 11 no.8:
21-22 Ag '61. (MIRA 14:9)

1. Sekretar' pravleniya Soyuza arkhitektorov SSSR.
(City planning)

KHUDOYAN, T.S.; SHAROV, A.; CHIRKOV, I. (Stalinsk, Kemerovskaya oblast');
KHAUSTOV, S. (g.Novoshakhtinsk); ARKHIPOV, V., avtomatchik;
SHEVCHENKO, B.; GETMANSKAYA, Ye.; SUMTSOV, I.; KURDYUKOVA, L.,
doyarka; BABIY, V. (Chernovitskaya oblasti'); MAKAROV, N.;
SOKOLOV, K.; SINITSKIY, N.

Letters to the editor. Sov. profsoiuzy 17 no. 5:35-39 Mr '61.
(MIRA 14:2)

1. Zaveduyushchiy otделom truda i zarplaty respublikanskogo
sovprofa Armenii (for Khudoyan). 2. Staleprokatnyy zavod,
Leningrad (for Arkhipov). 3. Predsedatel' pravleniya kluba
sovkhoza "Krasnyy Oktyabr'," Voronezhskoy oblasti (for Shevchenko).
4. Chleny pravleniya kluba sovkhoza "Krasnyy Oktyabr'," Voronezh-
skoy oblasti (for Getmanskaya, Sumtsov). 5. Sovkhoz "Krasnyy
Oktyabr'," Voronezhskoy oblasti (for Kurdyukova). 6. Predsedatel'
tsekhkoma kotel'no-svarochnogo tseka Vol'skogo zavoda "Metallist"
(for Makarov). 7. Predsedatel' postroykoma Stroitel'nogo uchastka
No. 2, g.Gagra, Gruzinskaya SSR (for Sinitskiy).
(Trade unions) (State farms)

. SHAROV, A.

Advice to the students of the Marxist-Leninist theory. Nauka
i zhizn' 30 no.3:6-7 Mr '63. (MIRA 16:5)
(Bibliography--Communist education)

L 24812-66 EWT(d)/EEC(k)-2

ACC NR: AP6007665

(A)

SOURCE CODE: UR/0413/66/000/003/0036/0036

AUTHOR: Sharov, A. D.

ORG: none

TITLE: A device for measuring phase shift. Class 21, No. 178416

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 3, 1966, 36

TOPIC TAGS: phase shift, ~~measuring apparatus~~, electromagnetic converter, *electronic test equipment*

ABSTRACT: This Author Certificate presents a device for measuring phase shift between two voltages. The device includes an electromagnetic converter, a scale, and a light source (see Fig. 1). The design makes the measurements independent of a change in the amplitude and of the frequency of the voltages being compared. The converter is in the form of two synchronized motors connected to the sources of the voltages being compared. Each motor rotates (in the same direction) two coaxial positioned cylinders. One cylinder has a right-hand spiral groove, and the other has a left-hand spiral groove. A light source is placed inside the cylinders and a scale is located on the outer wall of the cylinders. The light beam marker, corresponding to the point of intersection of the two spiral grooves,

Card 1/2

UDC: 621.317.772

Card 2/2

CHACV, A. I.

Development of housing construction in the USSR: public lecture. Moscow, 1964. 31 p. (Vvedeniye k spetsial'noy kursovoy rabote po teme "Razvitiye i nauchnykh osnov. Seriya - 1. 1964.")

1964. 1964

SHAROV, A.F., agronom

The concept of the fertilizing system. Zemledelie 27 no.2:69-70 F
'65. (MIRA 18:4)

1. Ministerstvo sel'skogo khozyaystva SSSR.

SHAROV, A.

SHAROV, A. and PANFILOV, D. "The Japanese oak silkworm *Antheraea jama-rui* G.-M. in the seacoast regions", Nauch.-metod. zapiski (Council of Ministers, USSR, Main Administration for natural reservations), Issue 11, 1948, p. 221-22.

CC: U-3042, 11 March 43, (Istepis 'Izurnal 'nykh Statoy, No.7 1949).

SHAROV, A. G.

PA 11/49T62

USSR/Medicine - Fossils
Medicine - Taxonomy

Jul 48

"Triassic Thysanura Found in Regions Close to the
Urals," A. G. Sharov, Inst Evolutionary Morphol
A. N. Severtsov, Acad Sci USSR, 24 pp

"Dok Ak Nauk SSSR" Vol LXI, No 3

In 1946, an expedition from the Paleontol Inst, Acad
Sci USSR, found impressions which were at first taken
for insect larvae. Rodendorf identified them as
representatives of the order Thysanura and turned
them over to Sharov for detailed study and description.
Sharov classifies them as part of a new family,

11/49T62

USSR/Medicine - Fossils (Contd)

Jul 48

Trileptomachilidae. Includes sketches. Submitted
23 May 48.

11/49T62

CHAROV, A. N.

"Growth of Bristletails in Connection With the Problem of
Phylogeny." Sub 23 Feb 51, Moscow Order of Lenin State U imeni
M. V. Lomonosov.

Dissertations presented for science and engineering degrees
in Moscow during 1951.

SC: Sum. No. 480, 9 May 55

SHAROV, A.G.

Collembola

Effect of the type of forest plantations in southeastern Ukrainian SSR upon the morphofunctional state of the caterpillars of *Exaereta ulmi* Schiff. Dokl. AN SSSR 84 No. 4, 1952.

Monthly List of Russian Accessions. Library of Congress, October 1952, UNCLASSIFIED

SHAROV, A.O.

Development of the bristletails (Thysanura, apterygota) in connection with
the problem of phylogeny of insects. Trudy Inst.mori.zhiv. no.8:63-127 '53.
(MLBA 6:9)
(Thysanura)

CHIRON, A. A.

Elm - Elm - Elm - Elm

Phase character in the variability of caterpillars of *Maera* and *Schiff*, Dall.
AN SER 88, No. 5, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

SAROV, A. G.

Megaloptera, Fossil - Kargala

First finding of a Permian larva of a droop-wing insect (Megaloptera)
from Kargala, Dokl. AN SSSR 89 No. 4, 1953

Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

SHAROV, A.G.

Ways and laws of species formation. Zool. zhur. 34 no.3:491-505
My-Je '55. (MLRA 8:8)

1. Institut morfologii zhivotnykh im. A.N. Severtsova AN SSSR
(Origin of species)

SHAROV, A.G.

The sawfly *Tomostethus nigritus* F., a pest of the ash forest plantations [with English summary in insert]. Zool.zhur.35 no.5: 719-723 My '56. (MLRA 9:9)

1.Kafedra entomologii Moskovskogo gosudarstvennogo universiteta i Instituta morfologii zhivotnykh AN SSSR.
(Ash (Tree)--Diseases and pests) (Sawflies)

SHAROV, A.G.

Northern representatives of Diptera in the entomofauna of Alpine
Transcaucasia [with English summary in insert]. Zool.zhur.35
no.10:1514-1516 0 '56. (MLRA 10:1)

1. Institut morfologii zhivotnykh Akademii nauk SSSR i kafedra
entomologii Moskovskogo gosudarstvennogo universiteta.
(Sakochavi region--Diptera)

ODAROV, Aleksandr; Likhitsva, M., redaktor; VOLKOV, L., tekhnicheskii
redaktor

[Against death; tales of fighters against disease] Protiv smerti:
povesti o borbe s boleznyami. [Moskva] Izd-vo TsK VLKSM.
"Molodais gvarii," 1957. 405 p. (MIRA 10:10)
(MEDICINE--BIOGRAPHY) (MEDICINE--HISTORY)

SHAROV, A.G.

Comparative ontogenetic method and its application in systematics and phylogeny (based on the example of insects) [with English summary in insert]. Zool.zhur. 36 no.1:64-84 Ja '57. (MLHA 10:5)

1. Institut morfologii zhivotnykh im. A.N. Severtsova AN SSSR.
(Insects--Development)

SHAROV, A.G.

Types of insect metamorphosis and their interrelationships (based on comparative ontogenetic and paleontologic data) [with summary in English]. Ent. oboz. 36 no.3:569-576 '57. (MLRA 10:9)

1. Paleontologicheskii institut Akademii nauk SSSR, Moskva.
(Insects--Development)

SHAROV, A.G.

First find of a Cretaceous Aculeata, Hymenoptera. Dokl. AN SSSR
112 no.5:943-944 F '57. (MLBA 10:4)

1. Paleontologicheskii institut Akademii nauk SSSR. Predstavleno
akademikom I.I. Shmal'gauzenom.
(Siberia--Hymenoptera, Fossil)

SHAROV, A.G.

Miomoptera nymphs from Permian deposits of the Kuznetsk Basin.
Dokl.AN SSSR 112 no.6:1106-1108 F '57. (MLRA 10:5)

1. Paleontologicheskii institut Akademii nauk SSSR. Predstavleno
akademikom I.I. Shmal'gauzenom.
(Kuznetsk Basin--Insects, Fossil)

AUTHOR

Sharov, A.G.

20-4-46/60

TITLE

Peculiar Paleozoic Wingless Insects Belonging to the new Order Monura (Insecta, Apterygota).
(Svoyeobraznyye paleozoyskiye beskrylyye nasekomye novogo otryada Monura (Insecta, Arterygota.)

PERIODICAL

Doklady Akademii Nauk SSSR, 1957, Vol. 115, Nr 4, pp. 795-798 (USSR)

ABSTRACT

In 1949 an uncertain fossil remainder of an abdomen was found in Kaltan (Kuznetsk basin, right bank of the Kondoma, village of Verkhniy Kaltan, district of Kuzdeyev, reriitory of Kemerovo). The fossil remains found in 1951, 1954 and 1955 were fragmentary. In 1956 the author found at the same place 25 of these fossil remains, some of whom were in the best state of conservation. Their study brought the author to the conclusion that they belong to a species of a new order of insects which is related to the thysanorae and which was described by Brongniart more than 70 years ago as Dasyleptus lucasi. Handlirsch partially classified it with the spiders (order Thelyphonida) and probably with primitive fossil Crustaceae. Due to Handlirsch's authority his opinions were never doubted. In spite

CARD 1/3

20-4-46/60

Peculiar Paleozoic Wingless Insects Belonging to the new Order
Monura (Insecta, Apterygota).

of the bad state of conservation of the specimen by Brognart it can be concluded with certainty that the below-described Anthropoda belongs to the same order, family, and even to the same species as D. lucasi. At the same time there exists no doubt that these Anthropoda are primary-wingless insects. A detailed description of the new order Monura, the new family Dasyleptidae and the new species D. Brongniart from Kaltan is given. The geological age of the latter new species, resp. of the pertinent layers, is considered as Lower Permian by Martynova. Becker-Migdisova thinks that these layers either correspond to the lower parts of the Kungur stage or to the upper layers of the Artin stage. The finding of a representative of the species Dasyleptus indicates the presence in these layers of relict forms which are characteristic of the Upper Carboniferous fauna of Western Europe. There are 3 figures and 3 Slavic references.

CARD 2/3

20-4-46/60

Peculiar Paleozoic Wingless Insects Belonging to the new Order
Monura (Insecta, Apterygota).

ASSOCIATION: Paleontological Institute AN USSR.
(Paleontologicheskii institut Akademii nauk SSSR)
PRESENTED: By I.I. Shmal'gauzen, Academician, May 28, 1957
SUBMITTED: May 17, 1957
AVAILABLE: Library of Congress.

CARD 3/3

CHAROV, A. G. (Moscow) Palaeontological Institute, USSR Academy of Sciences

"Evolution as the Process of Ontogeny Alteration"

Soviet paper presented at 15th Intl. Congress of Zoology, London, 16-23 Jul 58

- SHAROV, A. G.

reported at Theoretical and Practical Work Carried out by Entomologists. 30-1-35/39
All-Union Entomological Conference, Georgian Dept, A-U Entomological Society, Tbilisi,
4-9 Oct 1957, Vestnik AN SSSR, 1958, v. 28, No. 1, p. 129-30 (author Gilyarov, M.S.)
secondary differentiation of insect cuticles.
24) A. G. Sharov, (Moscow). On the peculiar features of fossilized
insects of the lowest kind.
It was decided to convene an Allunion Congress of Entomologists in 1960
and to combine it with the hundred years' jubilee of the Society.

AVAILABLE: Library of Congress.

1. Biology
2. Scientific reports-USSR

Card 4/4

SHAROV, A.G.

Third All-Union Conference of the Entomological Society. Zool. zhur.
37 no.4:638-639 Ap '58. (MIRA 11:5)
(Entomology--Congresses)

AUTHOR: Sharov, A. G. SOV/20-122-4-55/57

TITLE: On the Structure of the Limbs and the Manner of Locomotion
of the Monura and Thysanura (Insecta, Apterygota)
(О структуре конечностей и способе передвижения Monura
и Thysanura (Insecta, Apterygota)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 122, Nr 4, pp 733-736
(USSR)

ABSTRACT: The extreme primitiveness of the limbs was briefly mentioned
by the same author when he described the new order Monura
(Ref 3). These insects are based upon the pretarsus. The
articulation of the legs of Dasyleptus (Fig 1 a) reminds of
that of different "centipedes". With Monura the presence of
a large subcoxal limb is outstanding which is almost entirely
isolated from the pleural area. To judge from the latter
phenomenon this limb has the shape of a closed ring which is
narrower at the side nearer to the middle line of the body
(Fig 1 a). A similar limb in Thysanura (Refs 8, 9) was first
looked upon as a subcoxal one by Snodgrass but later
recognized as a pleural one. Here it is more closely connected
with the pleural area; therefore, the coxal limb with its

Card 1/4

On the Structure of the Limbs and the Manner of SOV/20-122-4-55/57
Locomotion of the Monura and Thysanura (Insecta, Apterygota)

inner side is directly adjacent to the pleural area of the thoracic segment. In the alated insects trochantine is apparantly a remainder of the subcoxal limb. The author confirms Snodgrass's subcoxal theory only with respect to the fact that the basal parts of the limbs are displaced into the pleural area during the course of the evolutionary development of the insects: however, the author refuses to accept the concrete aspect of Snodgrass's theory - namely the homology of some parts of the pleural skeleton with different segments of the subcoxal limb. Particularly it cannot be maintained that the anapleurit, from which later on the episternum and the epimeron develop, is homologous with part of the subcoxal limb; for in Lepisma (Ref 2) the epimeron and the episternum are present apart from the subcoxa. If the limbs of Monura and Thysanura are homologized with those of the Crustacea, the anapleurit (episternum and epimeron) of the insects is not to be homologized with any basal part of the leg, but with the laterotergite (pleurit); in that case the subcoxal limb is homologous with the coxopodite, the coxal limb with the basipodite, whereas the stylus on the latter limb is homologous with the exopodite

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On the Structure of the Limbs and the Manner of SOV/20-122-4-55/57
Locomotion of the Monura and Thysanura (Insecta, Apterygota)

at the basipodite. The trochanter is homologous with the ischiopodite, the thigh with the meropodite, The tibia with the carpopodite, the tarsus with the propodite and finally the pretarsus with the dactylopodite. The particularities in the structure of the leg and its different members show that in the case of Dasyleptus (Monura) the position of the legs in relationship to the body corresponded to that given in figure 1. The relation of the different limbs and the entire configuration of the legs of the Monura is characteristic of the most primitive stage of development of the thoracic limbs of insects. The presumable further process of evolution is described. Finally the structure and the development of the caudal part of Monura, Thysanura and Ephemeroptera is discussed. There are 2 figures and 10 references, 4 of which are Soviet.

ASSOCIATION: Paleontologicheskii institut Akademii nauk SSSR
(Paleontological Institute of the Academy of Sciences, USSR)

Card 3/4

On the Structure of the Limbs and the Manner of SOV/20-122-4-55/57
Locomotion of the Monura and Thysanura (Insecta, Apterygota)

PRESENTED: May 19, 1958, by I. I. Shmal'gauzen, Member, Academy
 of Sciences, USSR

SUBMITTED: May 16, 1958

Card 4/4

SHAROV, A.G.

Rudiment replacement in the development of the embryo and its
relation to the conditions of existence. Zhur.ob.biol. 20
no.2:85-93 Mr-Ap '59. (MIRA 12:5)

1. Paleontological Institute, Academy of Sciences of the
U.S.S.R.

(EMBRYOLOGY)

SHAROV, A.G.

The system of Apterygota. Trudy Inst.morf.zhiv. no.27:175-186
'59. (MIRA 13:2)

1. Laboratoriya chlenistonogikh Paleontologicheskogo instituta
AN SSSR.

(Aptera)

SHAROV, Aleksandr G. (Dr.)

MOSCOW

"On the System of the Orthopterous Insects."

" The Origin and Relationships of Plecoptera."

report presented at the International Congress of Entomology, Vienna, Austria,
17 - 25 August 1960.

SHAROV, A.G.

J. Komareck on the taxonomic position of Arthropleura. Paleont.
zhur. no.3:140 '60. (MIRA 13:10)

1. Paleontologicheskii institut Akademii nauk SSSR.
(Diplopoda, Fossil)

SHAROV, A.G.

New finds of lower Permian insects in the Urals. Biul.MOIP.Otd.
geol. 35 no.2:163 Mr-Ap '60. (MIRA 14:4)
(Ural Mountains—Insects, Fossil)

SHAROV, A. G.

New Permian family Orthoptera. Paleont. zhur. no.2:112-116 '62.
(MIRA 15:10)

1. Paleontologicheskii institut AN SSSR.

(Orthoptera, Fossil)

RODENDORF, B.B.; BEKKER-MIGDISOVA, ~~le~~.E.; MARTYNOVA, O.M.; SHAROV, A.G.

Phylum Arthropoda. Class Insecta. Trudy SNIIGGIMS no.21:189-193
'62.

Phylum Arthropoda. Class Insecta. Ibid.:403-425 (MIRA 16:12)

MARTYNOVA, O.M.; SHAROV, A.G.

Stratigraphy and the tempo of the evolution of insects. Paleont. zhur.
no.1:137-138 '63. (MIRA 16:4)

1. Paleontologicheskii institut AN SSSR.
(Insects, Fossil) (Geology, Stratigraphic)

SHAROV, A. G.

"The relationships and position of the insecta in the system of atelocerata."
report submitted for 12th Intl Cong of Entomology, London, 8-16 Jul 64.

CHAP. 2

and main stages of the evolution of Arthropoda. Report No. 1.
From annelids to arthropods. Zool. zhurn. 44 no. 6: 803-817 '65.

(MIRA 18:10)

U. Paleontologicheskii Institut AN SSSR, Moskva.

CHARTER, A. J.

1. The main phases of the evolution of Invertebrates, Report No.2:
Evolution and phylogenetic interrelationships of the main groups of arthro-
pods. (1961, 1962, 1963, 1964, 1965. (MIRA 18:9)

2. The evolutionary history of the Invertebrates.

SHAROV, A.I.

Ideal reception of the signals of an optimum code. Radiotekh. i
elektron. 6 no.10:1595-1600 0 '61. (MIRA 14:9)
(Information theory)

SHAROV, A. I.

"On N-Isopropyl-Tetrahydroquinoline," Zhur. Obshch. Khim., 12, Nos. 7-8, 1942. Ser., Lab. General & Inorganic Chemistry, Saratov State Univ. in. N. S. Chernyshevskiy, -1941-.

SHAROV, Aleksandr Ivanovich; STENDER, I.V., nauchn. red.;
VOLUME, L., red.

[Series and some of their applications; a textbook]
Riady i nekotorye ikh prilozheniia; uchebnoe posobie.
Leningrad, Severo-Zapadnyi zaochnyi politekhn. in-t,
1965. 206 p. (MIRA 19:1)

SHAROV, A.I.

Repairing key joints. Stan.i instr. 31 no.3:29-30
Mr '60. (MIRA 13:6)
(Keys and keyways (Steelwork))

SHAROV, A. I.

SHAROV, A. I. -- "Investigation of the Operation of Railroad Transport in the Charging Part of an Open-Hearth Section and Basic Methods of Improving It." Min Railways USSR. Leningrad, 1955. (Dissertation for the Degree of Candidate in Technical Sciences).

So: Knizhnaya letopis', No 8, 1956, pp 97-103

SHAROV, Aleksandr Ivanovich; ARSENT'YEV, Fedor Petrovich; VINOGRADOV, G.S.,
inzh., red.; GVIRTS, V.L., tekhn.red.

[Organizing efficient factory transportation] Organizatsiia
ritmichnoi raboty vnutrizavodskogo transporta; iz opyta Lenin-
gradskogo metallicheskiego zavoda imeni Stalina. Leningrad, 1956.
13 p. (Leningradskii dom nauchno-tekhnikheskoi propagandy.
Informatsionno-tekhnikheskii listok, no.10. Organizatsiia i
ekonomika proizvodstva) (MIRA 10:12)

(Material handling)

SHAROV, A.I., kand. tekhn. nauk.

Improving the layout of rail tracks in work areas. Metallurg 3
no.12:23-25 D '58. (MIRA 11:12)

1. Severe-Zapadnyy zaochnyy politekhnicheskiy institut.
(Railroads, Industrial)
(Metallurgical plants--Design and construction)

SHAROV, A.I., elektromonter

Installing lighting fixtures. Suggested by A.I. Sharov. Rets.i
izobr.predl.v stroi. no.16:100-101 '60. (MIRA 13:9)

1. 264-y montazhnyy uchastok tresta Moselektromontazh-2.
(Electric lighting--Installation)

SHAROV, A.N., inzh., red.; MUNITS, A.P., red.izd-va; PRUSAKOVA, T.A.,
tekhn.red.; RUDAKOVA, N.I., tekhn.red.

[Production standards for planning and research work]

Normy vyrabotki na proektnye i izyskatel'skie raboty. Moskva,

Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam.

Pt.13 [Electric power and blower stations; boilers] Elektrichesk

cheskie i vozdukhoduvnye stantsii; kotel'nye. Section 2.

[Electrical engineering] Elektrotekhnicheskii. 1959. 63 p.

(MIRA 12:7)

1. Russia (1923- U.S.S.R.) Ministerstvo elektrostantsiy.

(Electric engineering)

L 9826-66 EnA(h)

ACC NR: AP6003970

SOURCE CODE: UR/0104/65/000/005/0093/0093

AUTHOR: Sarkisov, M. A.; Rokotyan, S. S.; Uspenskiy, B. S.; Sharov, A. N.;
Zhulin, I. V.; Fedoseyev, A. M.; Korolev, M. A.; Khevfits, M. E.; Yermolenko, V. M.;
Petrov, S. Ya.; Azar'yev, D. I.; Krikunchik, A. B.; Polyakov, I. P.; Sazonov, V. I.;
Khvoshchinskaya, Z. G.; Kartsev, V. L.; Smelyanskaya, B. Ya.; Kozhin, A. N.;
Losev, S. B.; Dorodnova, T. N.; Rubinchik, V. A.; Smirnov, E. P.; Rudman, A. A.

ORG: none

TITLE: Abram Borisovich Chernin

SOURCE: Elektricheskiye stantsii, no. 5, 1965, 93

TOPIC TAGS: electric engineering, electric engineering personnel

ABSTRACT: An engineer since 1929, A. B. Chernin has worked for years in developing new techniques and equipment for relay protection of electric power systems. In this 60th birthday tribute, he is credited with leading the group which produced the directives on relay protection, contributing to the development of a method for calculating transient processes in long distance 400-500 kv power transmission lines and with aiding in planning of the electric portions of power stations, substations and power systems. The results of his engineering and scientific work have been published 46 times, he is a doctor of technical sciences (since 1963), and has taught for 30 years at the Moscow Power Institute. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09 / SUBM DATE: none

HW
Card 1/1

50
B

ACC NR: A700799

SOURCE CODE: UR/0104/66/000/002/0095/0096

26

AUTHOR: Chuprakov, N. M.; Borovoy, A. A.; Postnikov, N. A.; Malychev, A. A.;
 Mordukhai, E. M.; Sin'chugov, F. I.; Zeylidsen, Ye. D.; Barchaninov, G. S.;
 Yermolenko, V. M.; Vasil'yev, A. A.; Sokolov, H. I.; Ul'yanov, A. S.;
 Fedoseyev, A. M.; Sarkisov, M. A.; Rokotyan, S. S.; Azar'yev, D. I.; Arson,
 G. S.; Dubinskiy, L. A.; Zhulin, I. V.; Kolpakova, A. I.; Antoshin, N. N.
 Krikunchik, A. B.; Kuchkin, M. D.; Preobrazhenskiy, N. Ye.; Reut, M. A.;
 Khayfits, M. E.; Sharov, A. N.; Yakub, Yu. A.; Gorbunov, N. I.; Shurmukhin,
 V. A.; Beschinskiy, A. A.

ORD: none

TITLE: Boris Sergeyovich Uspenskiy (on his 60th birthday)

SOURCE: Elektricheskiye stantsii, no. 8, 1966, 95-96

TOPIC TAGS: hydroelectric power plant, electric engineering personnel

SUB CODE: 10

ABSTRACT: B. S. Uspenskiy was born in June 1906. He graduated from
 the State Electric Machine Building Institute in 1928 as an electric
 installation engineer. He worked in the State Electro-Technical Trust
 for four years, then in the All-Union ElectroTechnical Union, where he
 planned power construction units. Plans which he made up at that time
 for the electrical portion of electrical stations and sub-stations are
 still being used. He was involved in planning and installation of the
 electrical portion of hydro-electric power stations and powerful pumping
 stations in the Moscow-Volga Canal. During the war, he was in charge in
 installation of the Krasnogorskaya Heat and Electric Power Station, the
 planning of the Urals Hydro-Electric Power Station and other projects. He

Card 1/2

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